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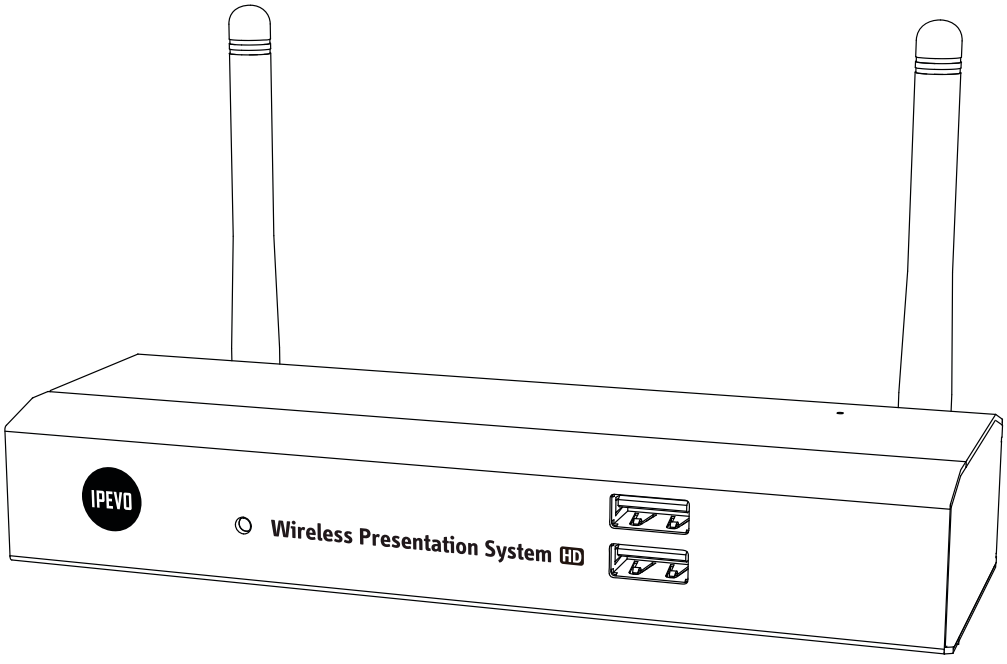
Wireless Presentation System
User Manual



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Thank you for your purchase of the Wireless Presentation System, or WPS. The Wireless Presentation System turns any projector (that would normally require a wired connection) into a wireless projector. With WPS, you can easily display desktop contents from any PC or Mac with WiFi capability. The result is more convenient, faster, and more productive presentations for both education and business.

Benefits of the Wireless Presentation System

Wireless Convenience – Because you no longer have to physically connect your computers to the projector with WPS, you can enjoy freedom from the usual logistical headaches and project material faster and easier than ever before.

High Quality Projection – WPS provides high-speed projection of up to 30fps across the network for smooth presentations. WPS also supports several standard resolutions up to high-definition HDMI 720p (1280 x 720). There's also a special mode for flawless video playback.

WiFi Access Point Technology – WPS can join your existing WiFi Access Point to make it easier for computers in your network to communicate with the projector.

4-in-1 Split Screen – The desktops of up to 4 computers can be projected simultaneously in a split screen mode to compare data, increase productivity, and enhance multimedia presentations.

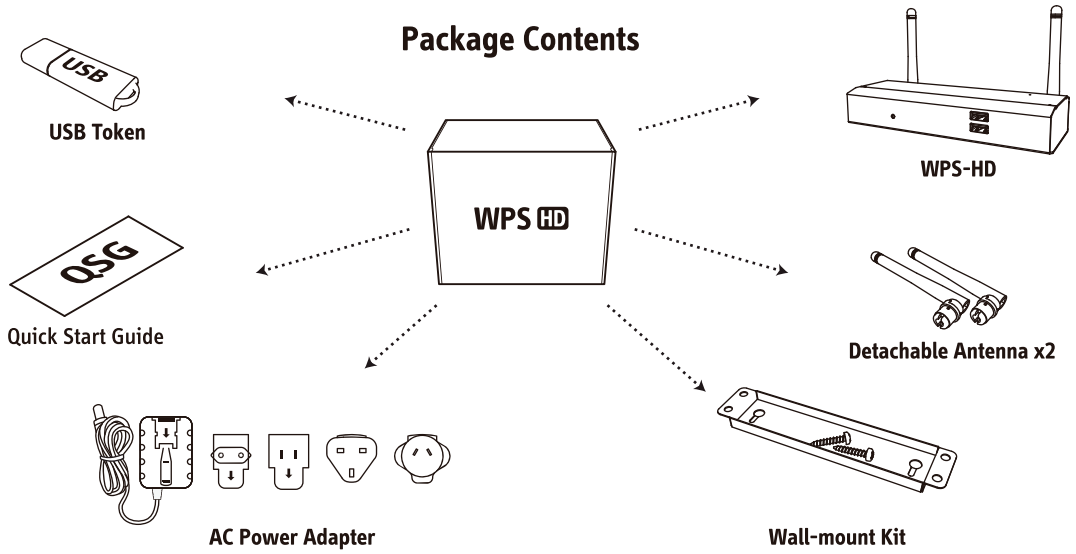
Conference Mode – In real time, a single administrator can control what appears on the projection screen from up to 4 computers in split screen or full screen.

Plug-and-Show Token – Included software makes it easy to create a token from any standard USB flash drive. This token can be plugged into any computer to install the WPS software so you can be projecting wirelessly in seconds.

Remote Control – Both a keyboard and mouse may be directed connected to the WPS unit for remote control of administrator functions and more.

Your package should contain the following:

1. High-Definition Wireless Presentation System
2. Two (2) antennas
3. Universal Power Adapter (DC 5V) with 4 interchangeable plugs
4. USB Token with WPS software, full User Manual, and other helpful applications
5. Quick Start Guide
6. Wall-mount Kit



Getting Help

We want to help you enjoy your Wireless Presentation System, and we are always available to answer any questions or offer technical and troubleshooting assistance. Consider using one or more of these resources:

- **IPEVO.com –** The latest version of the user manual, as well as FAQ and other information are available at this link: http://support.ipevo.com

- **Email –** Send us an email at cs@ipevo.com with your question or concern. For the best and most prompt service, include the version of your operating system with any inquiry, as well as a detailed explanation of the issue you are experiencing.

- **Live Chat –** Live Chat is available through our website, www.ipevo.com. A button in the upper right-hand corner of the main page will take you to an Instant Messaging session in which you can correspond with a customer service representative directly. This feature is available during the same hours and days as our telephone support.

System Requirements

The Wireless Presentation System requires a PC or Mac system with WiFi capability. Your computer must meet or exceed these minimum specifications:

PC

Compatible with Windows 8/7/Vista/XP

Mac

Compatible with Mac OSX 10.5 and above

Projectors

The Wireless Presentation System is intended to work with most major manufacturer projector models with standard VGA and/or HDMI outputs. If you have a question as to whether your specific projector model will work with WPS, please send a message to our Customer Support department at cs@ipevo.com.

The Three Steps of WPS

Generally speaking, WPS requires three simple steps:

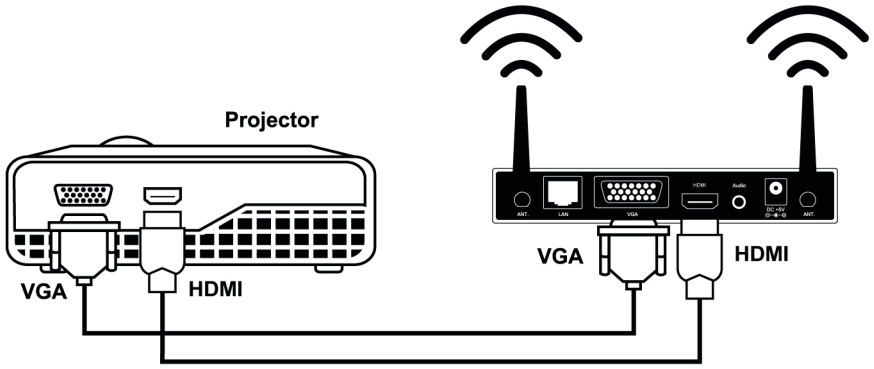
1. Connect the WPS to your projector unit. *(Page 9)*
2. Download the WPS software on to any computer you wish to use with the projector. *(Page 11)*
3. Use the software to locate WPS on the network and then log in to WPS. *(Page 13)*

Once these three steps are taken, up to four computers can simultaneously communicate their desktop contents wirelessly to your projector.

Setting up WPS

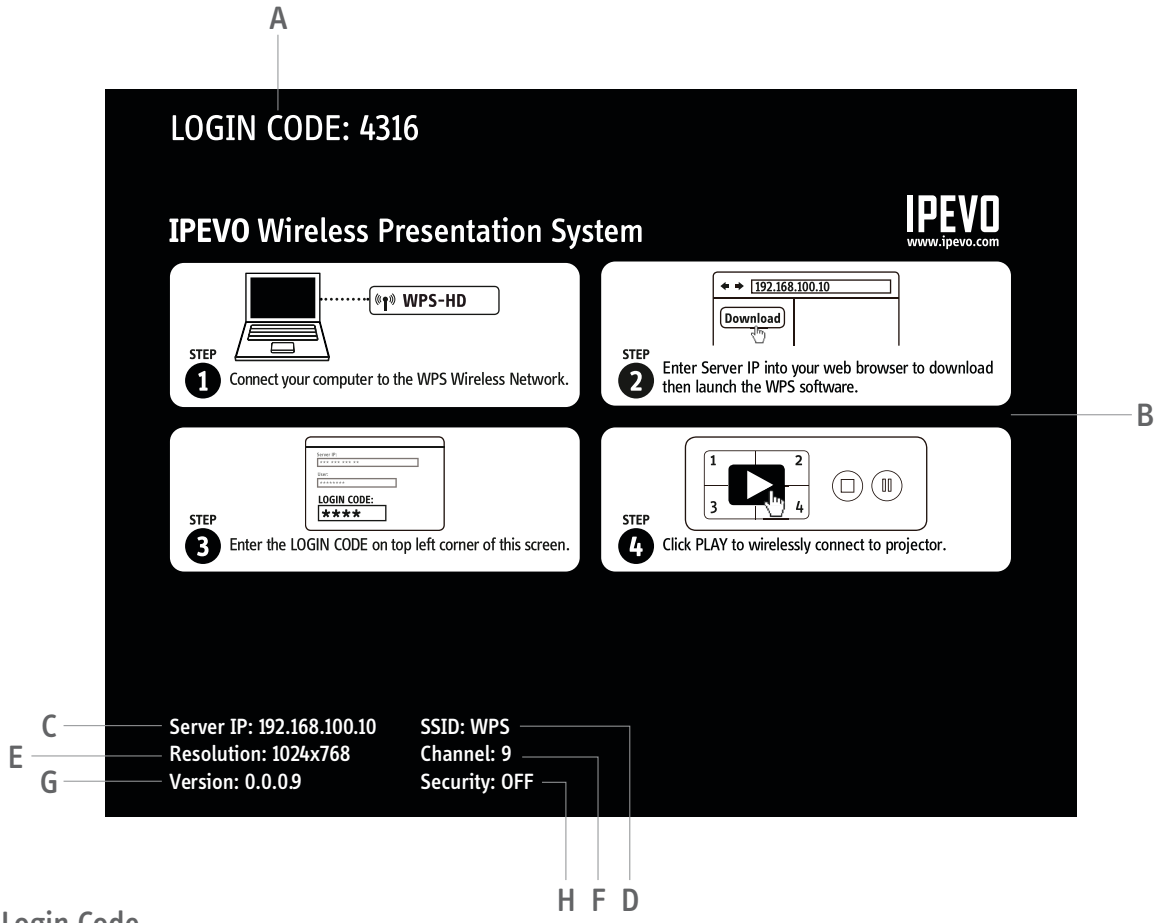
WPS is compatible with Windows PC – including Windows 8, 7, Vista, and XP – as well as Macintosh OS (version 10.5 and above). Follow these steps to set up your projector and computer for wireless projection:

1. Twist the antennas onto the gold-plated connectors on either side of the back of the WPS unit. Do not overtighten. Angle the antennas upward for best reception.
2. Connect either the projector's VGA or HDMI cable into the VGA or HDMI port on the back of WPS.



3. Attach the power supply to the back of the unit. Insert the appropriate plug for your country/region into the adapter firmly until the tab clicks into place. Tab may be slid down in order to remove plug. Insert the plug into an electrical outlet.
4. The projector will project a Startup screen. Important information on this screen includes a **Login code** and the **Server IP** of the WPS.

When the WPS is connected and powered, the projector will display the Startup Screen. It contains information necessary for the successful configuration of computers connecting with your projector.



A – Login Code
This 4-digit code is necessary to log in to WPS.

B – Quick Guide
This section contains instructions for starting wireless projection, similar to the physical Quick Start Guide and this manual.

C – Server IP
This tells you the server IP that has been assigned to the WPS. This is necessary to access the WPS main page in your Internet browser, and to log in to WPS. Default is "192.168.100.10".

D – SSID
This is the public name of WPS that will appear in your computer's list of network connections. Default is "WPS".

E – Resolution
The current resolution of the projector.

F – Channel
The current channel WPS is located on.

G – Version
The current version of the WPS software.

H – Security
Indicates whether security is "ON" or "OFF".

Installation of WPS Software

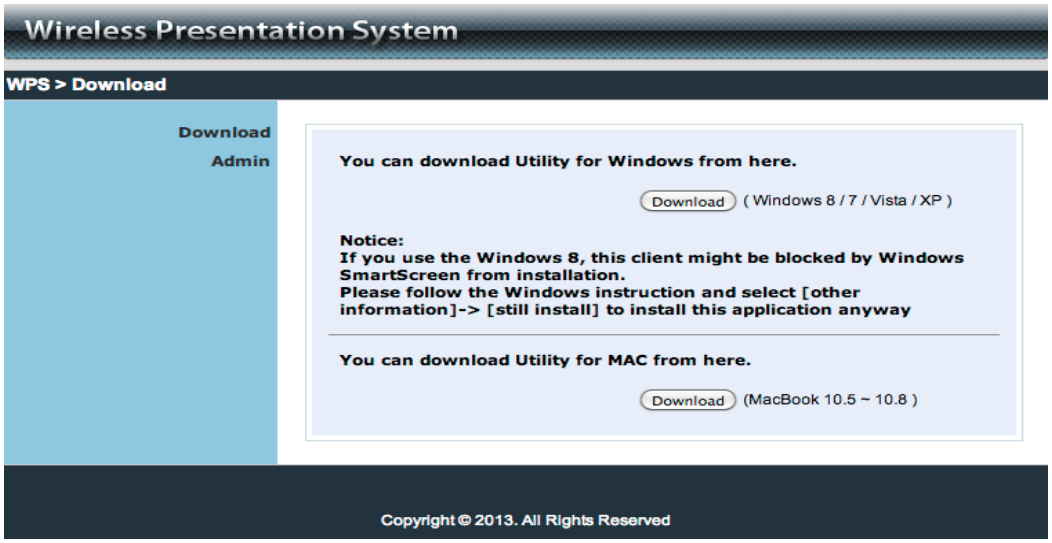
Any computer communicating with the projector through WPS must have the included WPS software installed. Download of the WPS software is accomplished in one of two ways:

- Via the WPS main page in your Internet browser.
- Create and insert a Plug-and-Show Token. *See Page 23* for how to create and use the Plug-and-Show Token.

Using the WPS Main Page to Install Software

- Open your available WiFi Internet connections, and choose “WPS” to connect with. (If you are unsure how to access available Internet connections, *please see Page 12.*)
- Open your Internet browser. The WPS main page may appear automatically. If not, enter the Server IP found on the Startup screen into your browser (by default, 192.168.100.10) and press Enter to navigate to the main page.

- Click “Download” on the WPS main page. Choose either the Windows or Mac download depending on your operating system. Follow the prompts to install the WPS software.
  Note: Please ensure your firewall settings allow the WPS software to be downloaded.


Wireless Presentation System
WPS > Download
Download
Admin
You can download Utility for Windows from here.
Download
(Windows 8 / 7 / Vista / XP)
Notice:
If you use the Windows 8, this client might be blocked by Windows SmartScreen from installation.
Please follow the Windows instruction and select [other information]-> [still install] to install this application anyway
You can download Utility for MAC from here.
Download
(MacBook 10.5 ~ 10.8)
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- Once you install the software, a WPS shortcut icon will appear on your desktop, which you may use to access WPS in the future.

Locating a Wireless Network

Here are general guidelines for locating and connecting to WPS through your computer's WiFi.

Windows XP

1. Right-click the network connection icon, and then click View Available Wireless Networks.
2. Under “Available Networks,” locate the connection named “WPS” and click on it.
3. Click the “Connect” button to connect to WPS.

Windows Vista

1. Click the Windows Start Menu icon, and click “Connect to.”
2. A list of available wireless connections will appear. Locate the one named “WPS” and click on it.
3. Click the resulting “Connect” button to connect to WPS.

Windows 7

1. On the right-hand side of the taskbar, you will see a wireless icon. Click on the icon.
2. A list of available wireless connections will appear. Locate the one named “WPS” and click on it.
3. Click the resulting “Connect” button to connect to WPS.

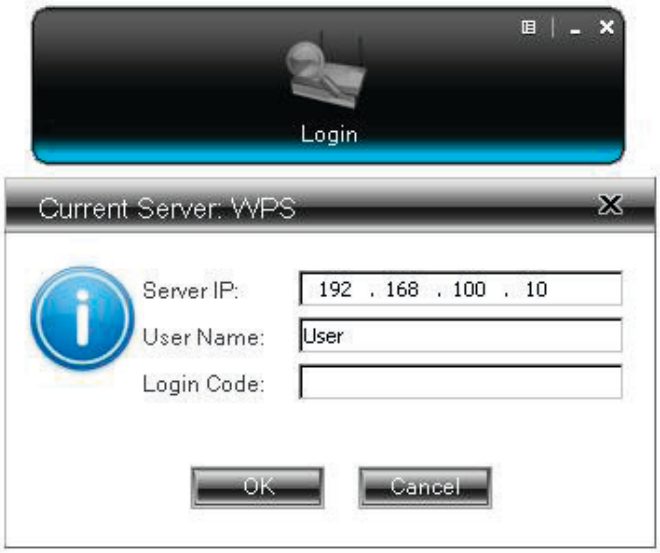
Mac OS 10.5 or above

1. Click the Airport icon at the top of the screen.
2. A list of available wireless connections will appear in the dropdown menu. Locate the one named “WPS” and click on it to connect to WPS.

After successful software installation, double-click the WPS icon on your desktop to start the WPS client.

A login screen will appear:

1. For “Server IP” enter the Server IP address from the projector Startup Screen (if it does not already appear, or if the Server IP does not match the Startup Screen).
2. For “User Name” enter whatever you'd like to identify the computer.
3. For “Login Code” enter the four-digit login code displayed on the Startup screen.
4. Click OK.



A control panel will appear. Click the Play button to enter full-screen projection mode. The projector will automatically sync with your computer, and the contents of your desktop will be projected in real time. For more on the control panel, *see Page 14.*

Note: You may need to configure your existing firewall in order to allow networked computers to communicate with WPS.

Please review the elements of the WPS control panel:

A – Play Button
Hit Play to sync your computer with the projector. The projector will display the contents of your desktop in real time.

B – Stop Button
Press Stop to cease all communication with the projector. The projector will stop displaying the computer's desktop contents.

C – Pause Button
Press Pause to cease real-time communication with the projector. The projector will display what was on your desktop at the moment you hit Pause.

D – Refresh Button (Mac Only)
Refresh the contents of the current projected image.

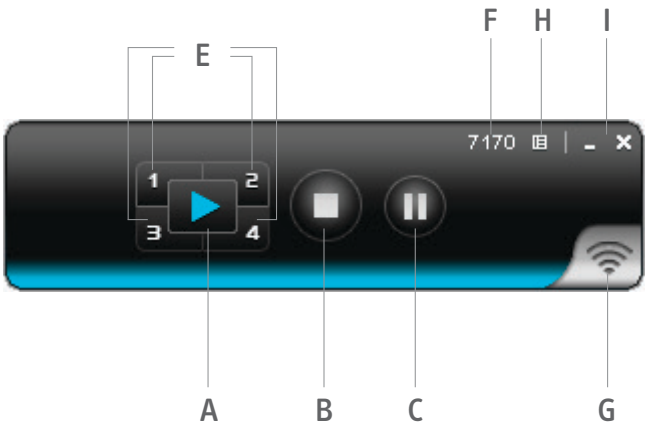
E – Split-Screen Buttons
Press 1 through 4 to cause the projector to enter split-screen mode to simultaneously display up to four computer screens. *See Page 25* for more information on Split Screen.

F – Login Code
Displays the current login code in use.

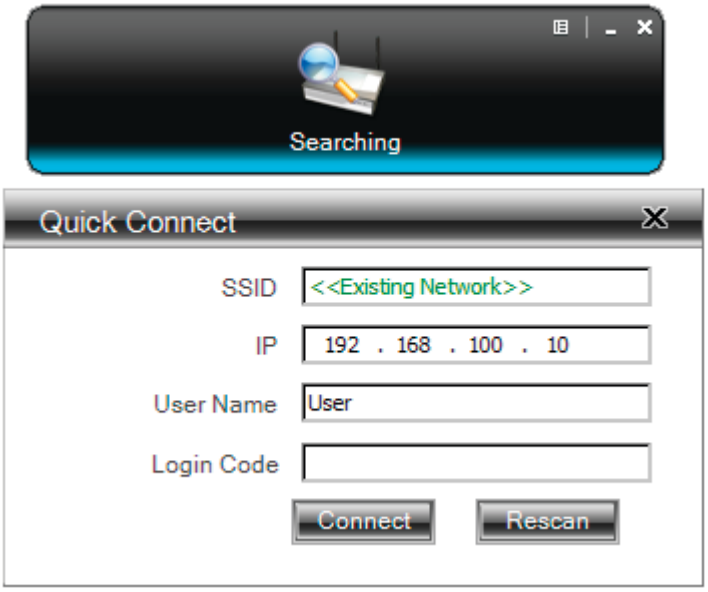
G – Status Indicator
Indicates the strength of the network communication between computer and projector.

H – Menu
Press to access the WPS menu. *See Pages 18 through 24* for more information on menu functions.

I – Minimize/Exit
Minimize the WPS Control Panel, or exit the WPS software.



WPS features Quick Connect, which will appear on subsequent activations of the WPS software. This saves information from the last connection, including IP address and SSID, thus making connections with the WPS a little faster and easier.



If your login information does not appear, consider clicking "Rescan" to search all available devices.

If you'd like to project audio along with video and your projector supports audio, three conditions have to be met:

1. You're using an HDMI connection
2. Projection Quality is set to "Normal" (default)
3. "Send Audio to Display" is enabled in the WPS menu (default)

See Pages 20 and 21 for how to set Projection Quality and Send Audio to Display.

You won't need to do anything else if you're using Windows 7 or Windows Vista. Sound from your computer will automatically be sent through the projector's speakers.

Windows XP Users

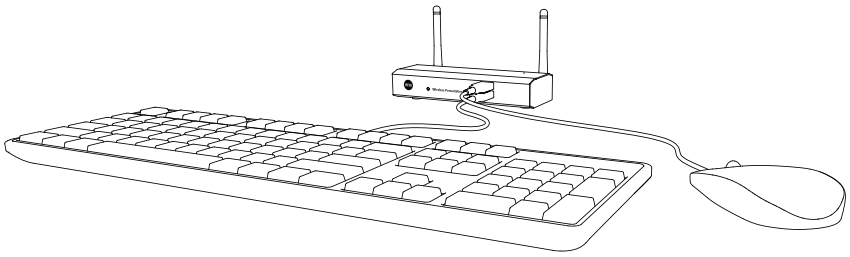
1. Insert the included USB Token into your computer. In the Applications folder on the Token, double-click "VAC_Setup1.0.8.5(for XP).exe" to install the Virtual Audio Control.
2. You now need to select the Virtual Audio Driver as your playback device. Click on Control Panel >> Sounds, Speech, and Audio Devices >> Sounds and Audio Devices.
3. Click the Audio tab. Under Sound Playback, change the Default Device to "Virtual Cable 1". Click OK.
4. The projector will now play the computer's audio. Remember to switch back to your previous sound device after using WPS.

Mac Users

Insert the included USB Token into your computer. In the Applications folder on the Token, install the "Soundflower.mpkg" file onto your computer.

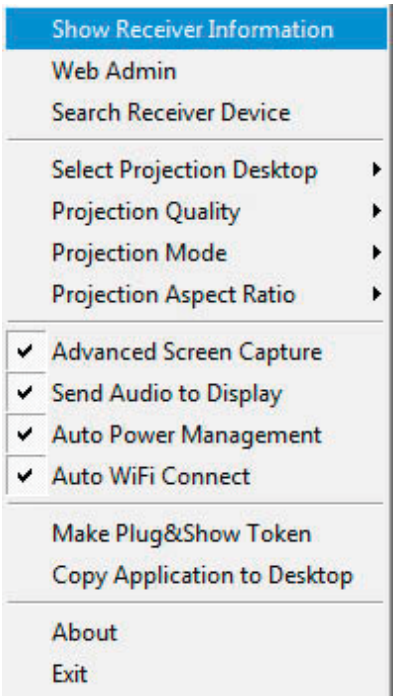
Remote keyboard and mouse control

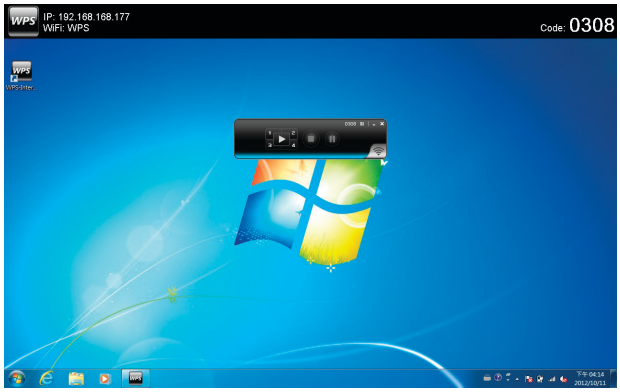
Both a keyboard and a mouse may be plugged directly into WPS via the two USB ports on the front of the unit. In this manner, WPS setup and administration may be controlled remotely for convenience. The WPS menu provides a number of useful advanced functions.



Show Receiver Information

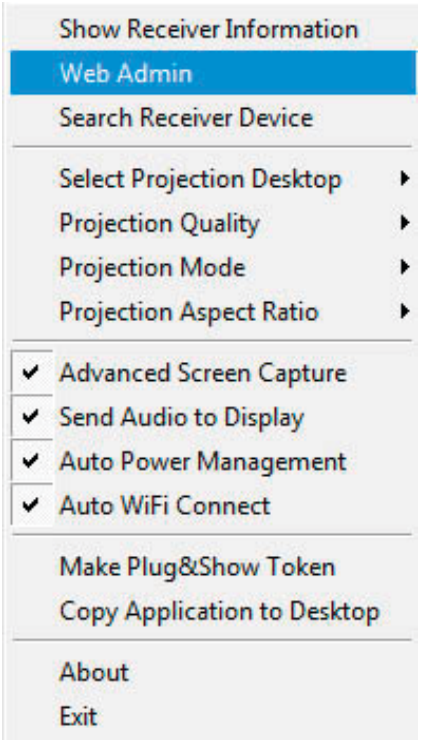
Displays several key pieces of information on your desktop: WiFi name, IP address, and the four-digit login code which is necessary to log in to WPS. Click on the display to close it, or the display will automatically close after 30 seconds.





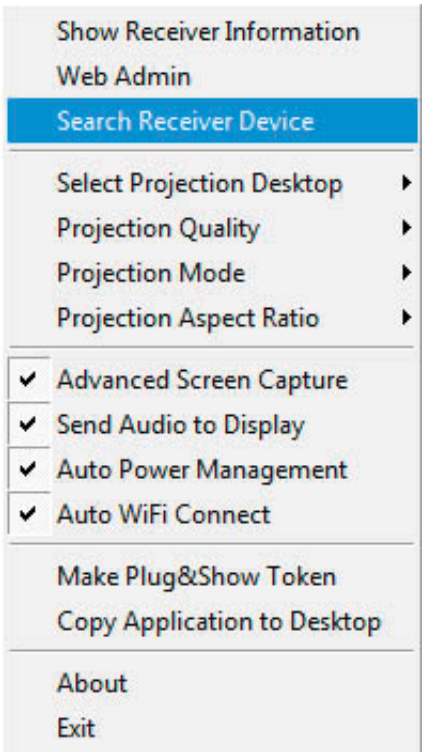
Web Admin

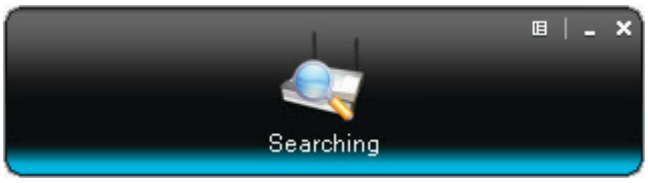
Opens the WPS main page in order to access administrator functions. *Please see Pages 27 through 33* for more on Admin functions.



Search Receiver Device

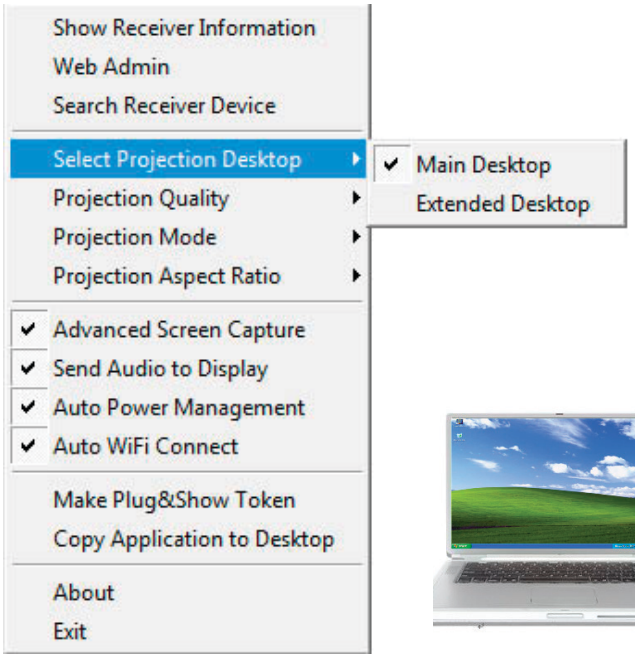
If your computer has lost the connection to WPS, select this option to search for WPS again.





Select Projection Desktop (Windows XP only)

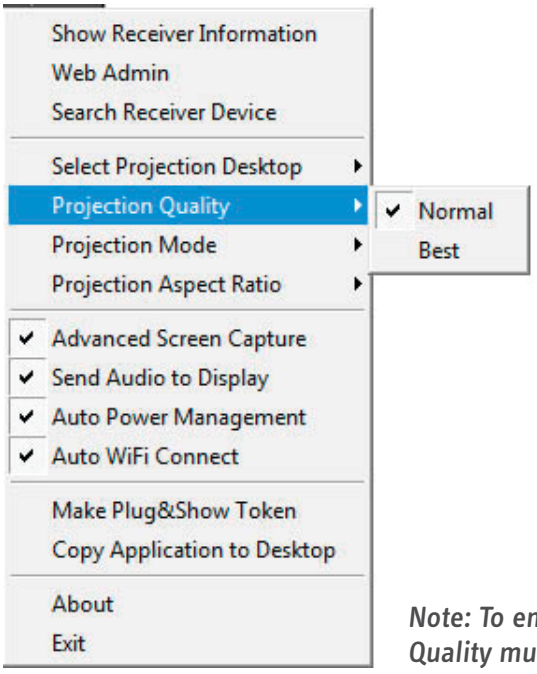
You can select between projecting this computer's "Main Screen" (its desktop) or Virtual Extended Screen for computers set up for virtual desktops.



Note: To take advantage of the Virtual Extended Screen, you will need to install the "VDD.exe" file located on the Plug-and-Show Token (See Page 23). Virtual desktop is not supported on Windows 7, Windows Vista, or Mac.

Projection Quality

Choose between "Normal" for faster projection speed with lower screen image quality, or "Best" for the best image quality but slower projection speed.

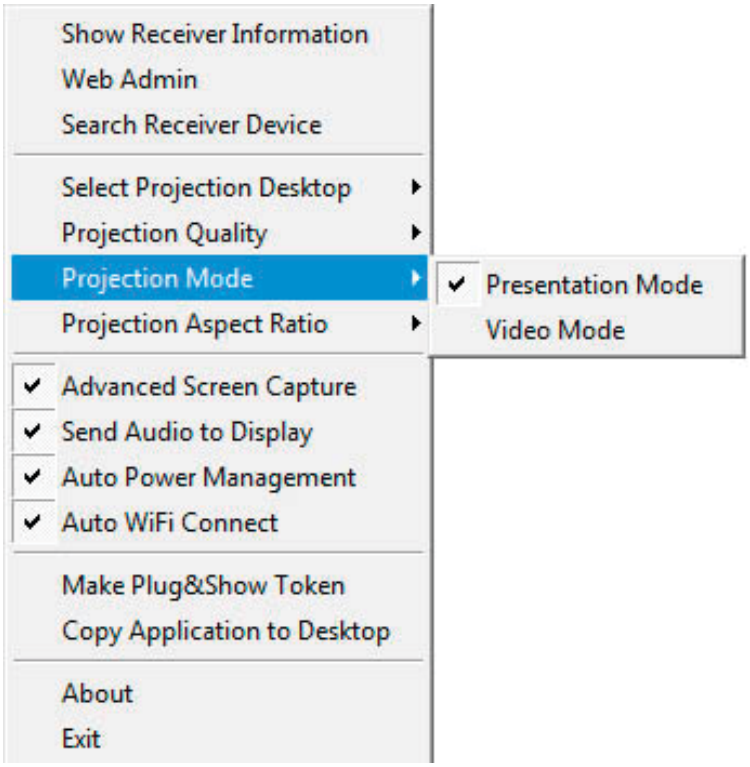


Note: To enable audio projection, Projection Quality must be set to "Normal".

Projection Mode

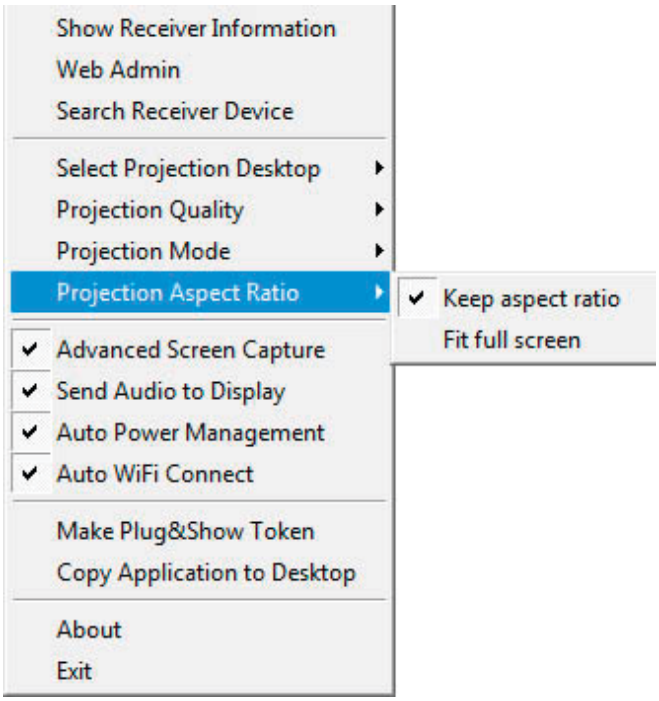
Choose one of two modes:

- **Presentation Mode** offers the shortest latency for the most responsive operation (default).
- **Video Mode** offers better, smoother playback for video. When this mode is in use, the computer's resolution will change to 1024x768. WPS will automatically revert back to Presentation Mode when it detects mouse movement. Thus, Video Mode is intended for video playback with no interaction.



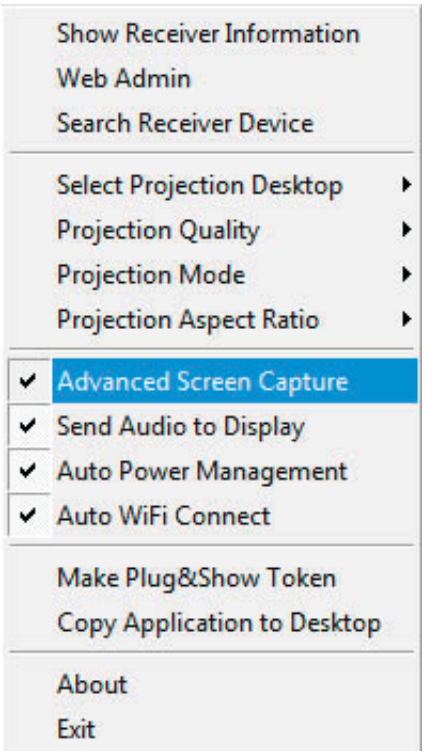
Projection Aspect Ratio

"Keep aspect ratio" maintains the original aspect ratio of your desktop (which may result in black banding on the top and bottom of the projection screen). "Fit full screen" stretches the desktop image to take up the entire projection screen.



Advanced Screen Capture

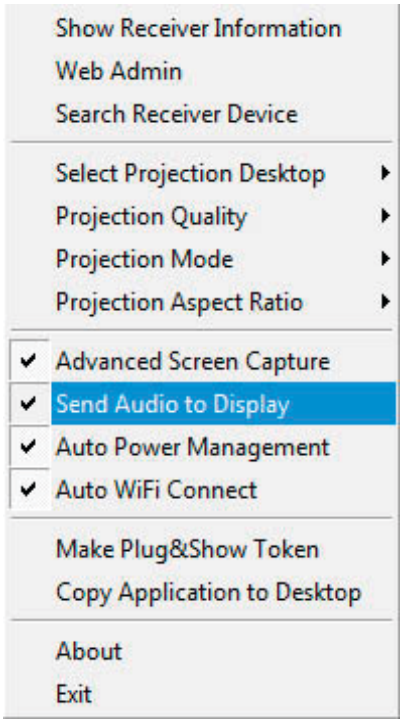
With this option enabled, mouse-over tool tips and similar layered windows will appear on the projection screen. If disabled, these tool tips will not appear.



Note: with Advanced Screen Captured enabled, the mouse cursor may occasionally blink on the projection screen.

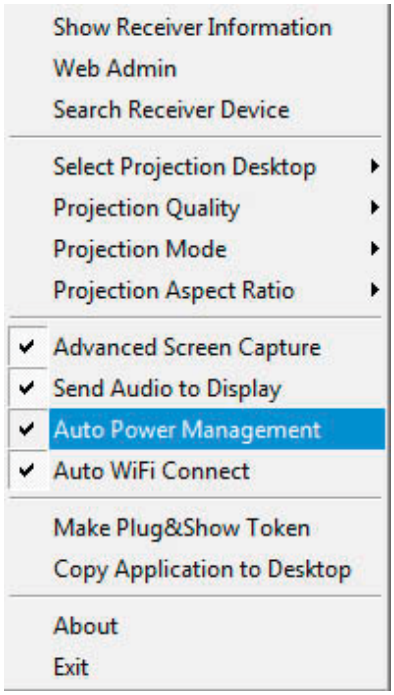
Send Audio to Display

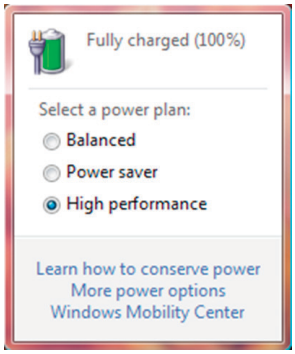
This setting must be enabled for audio to be sent to the projector. If enabled, your computer's speakers will be muted during the projection and restored after the WPS application is closed. *See Page 16* for more on Audio Projection.



Auto Power Manager

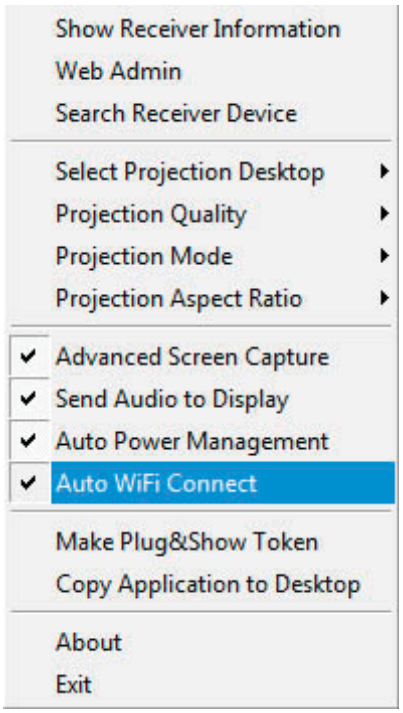
WPS automatically changes your computer's power settings to “High Performance” (or the equivalent) to optimize the projection image. However, you can disable Auto Power Manager in order to manually change your power settings.





Auto WiFi Connect

When enabled, this feature allows your computer to connect to WPS via WiFi automatically.



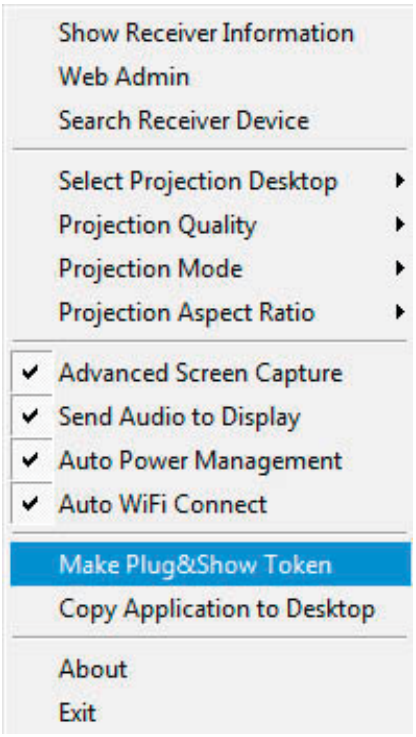
Make Plug&Show Token

This option allows you to turn any standard USB flash/thumb drive into a Plug-and-Show Token. This token will contain all software necessary to prepare a computer (with no WPS software installed) for wireless projection, speeding up the installation process.

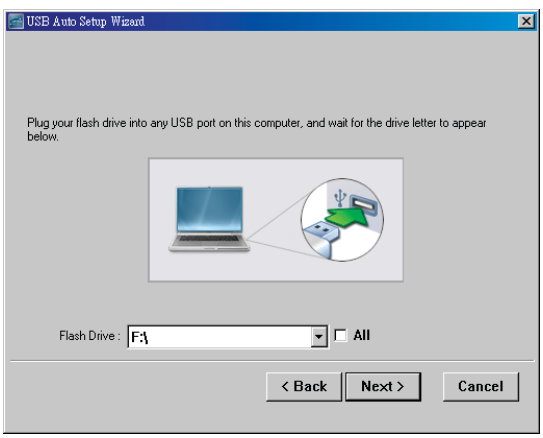
Follow these steps to make a Plug-and-Show Token:

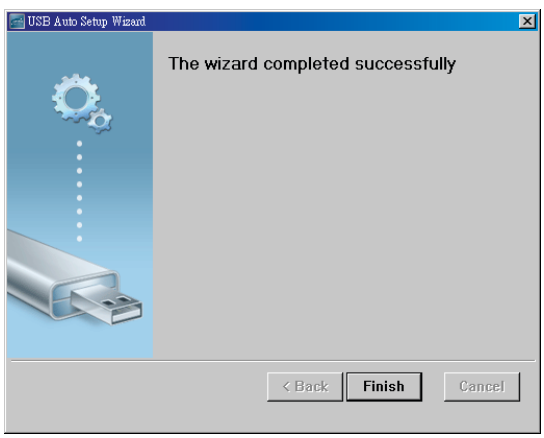
1. Click on the Make Plug&Show Token menu option.
2. Click Next in the Setup Wizard window.
3. Insert your desired USB flash drive into an available USB port. Once the computer has located the drive, click Next to install WPS software onto the drive.
4. Click Finish once the Setup Wizard is complete.

From now on, you can insert the Plug-and-Show Token into any computer and follow the prompts to enable wireless projection using WPS.



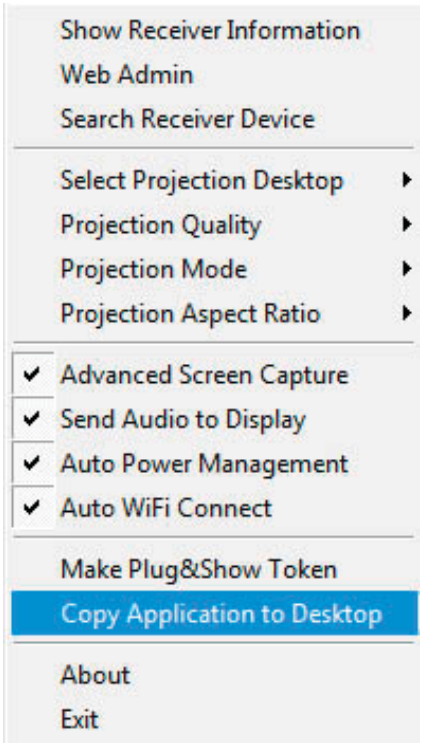
USB Auto Setup Wizard
USB Auto Setup Wizard
This wizard helps you set up a USB Token which you can perform Plug and Show through this USB token.
To continue, click Next.
< Back
Next >
Cancel


USB Auto Setup Wizard
Plug your flash drive into any USB port on this computer, and wait for the drive letter to appear below.
Flash Drive :
F:\
All
< Back
Next >
Cancel



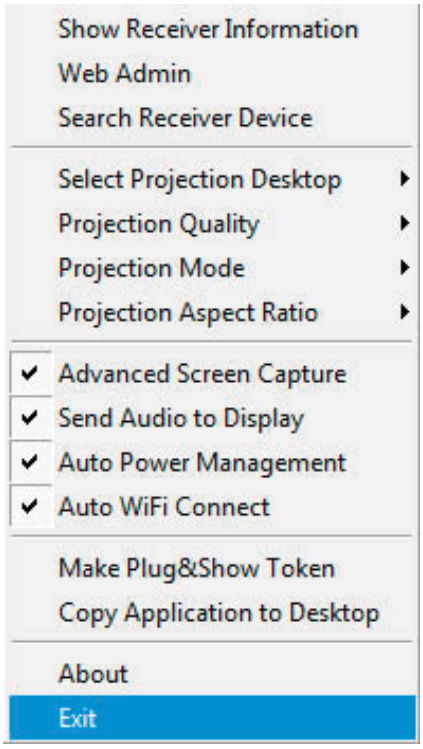
Copy Application to Desktop

Click to copy the WPS software onto your desktop, regardless of whether you have system privilege.



About

This option will display basic information about WPS, including software version number, login code, and server IP address.



Exit

Click Exit to exit the application entirely. The projection will stop and the WPS application will cease.

4-in-1 Split-Screen Mode

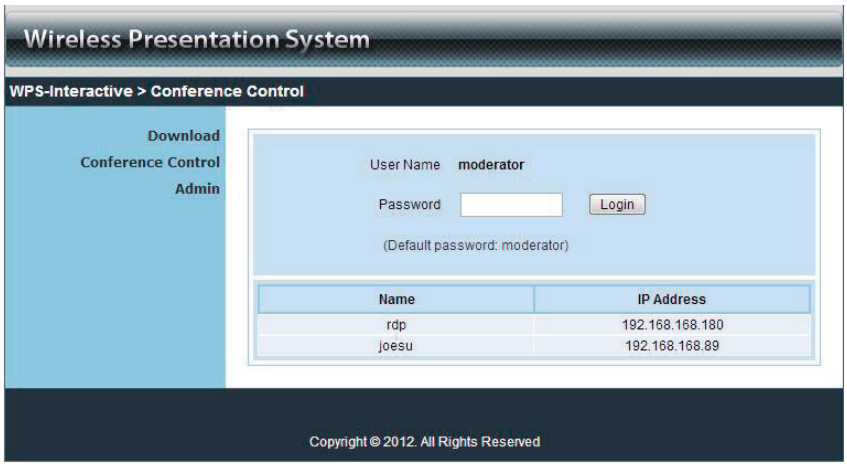
By using WPS's split-screen mode, you can project up to four computers simultaneously in real time. The projector will display the desktops in a 2 x 2 square grid.

To take advantage of split-screen mode:

1. Prepare the projector and install WPS software on each computer as described on *Pages 9 through 14.*
2. Instead of pressing Play to start projection, click on one of the four split-screen buttons surrounding the Play button.
3. Choose a different number for each of the four computers. Desktop contents of all four computers will now be displayed in a 2 x 2 grid by the projector.

Conference mode allows a single administrator to control the projector's contents at any time when using split-screen mode and multiple computers. To access this mode:

1. Navigate the administrator's Internet browser to the WPS main page by entering the Server IP found on the Startup screen (default is 192.168.100.10).
2. Below the Download tab is Conference Control. Click on this tab. A password prompt will appear. The default password is "moderator". Input the password and log in.



3. A list will appear of all the computers currently connected to the WPS. Under the Play Control column, the administrator may click on the buttons to control what is projected for each computer. Buttons include:

: Computer's contents will be projected in full screen (no split-screen)

: Computer's contents will occupy Quadrant #1 of split-screen mode

: Quadrant #2 of split-screen mode

: Quadrant #3 of split-screen mode

: Quadrant #4 of split-screen mode

: Stops the computer's contents from projecting altogether

To access network administrator functions, either click on "Web Admin" in the WPS menu *(See Page 18)* or navigate to the WPS main page using your Internet browser (default address is 192.168.100.10). Click on “Admin” to bring up the Admin login screen. Logging in will provide you access to advanced administrator functions.

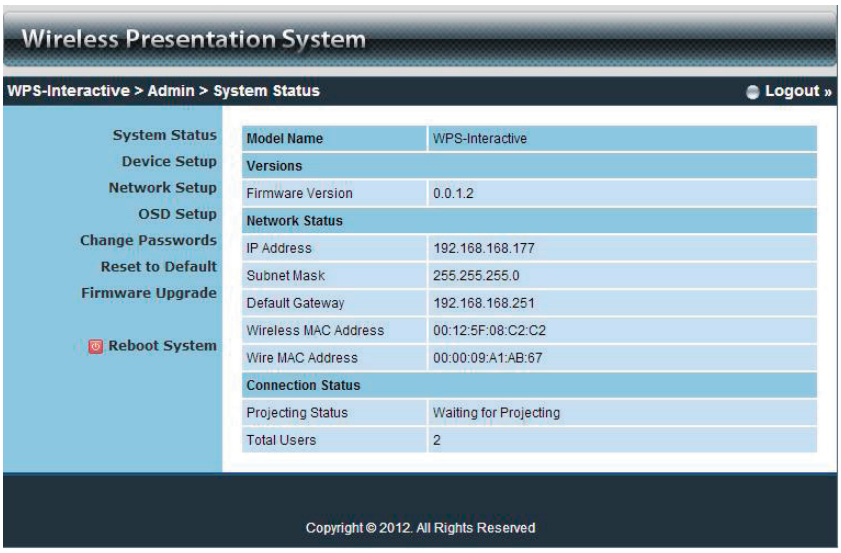
Logging In

Enter the default password “admin” and click “Login” to gain access to Admin functions.

System Status

Shows the current system status

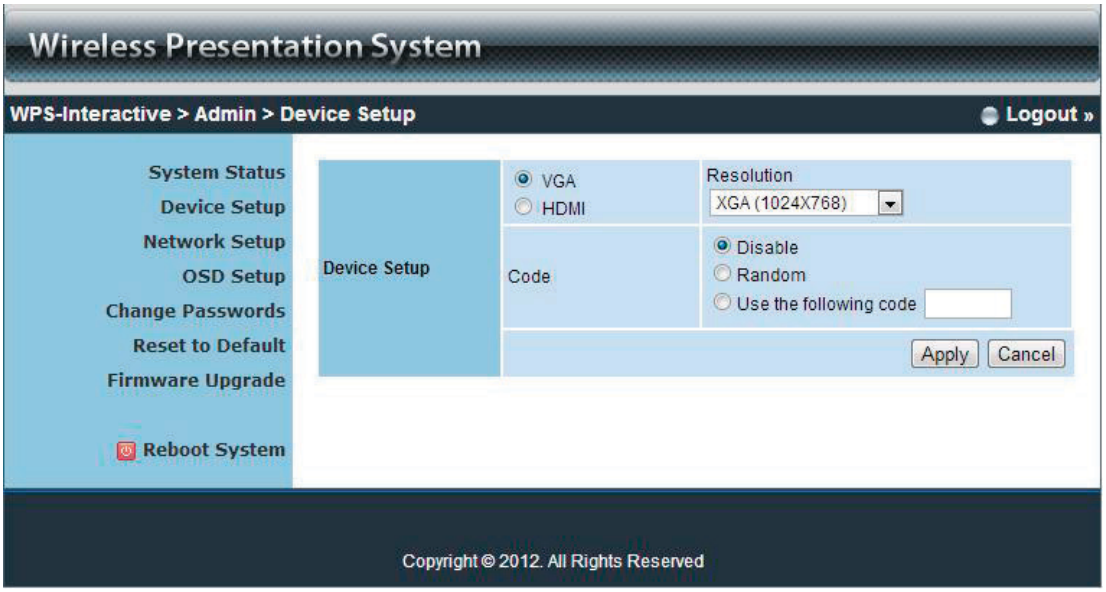
- **Model Name:** Product model name
- **Versions**
  Firmware Version: Current version number of the firmware
- **Network Status**
  IP address: IP address of WPS
  Subnet Mask: Subnet mask of WPS
  Default Gateway: Default gateway of WPS
  Wireless MAC address: Wireless MAC address of WPS
  Wire MAC address: Wired MAC address of WPS
- **Connection Status**
  Projecting Status: Indicates whether your projector is waiting to project an image, or whether it is currently projecting an image
  Total Users: Indicates the number of users currently logged in to WPS



Device Setup

Set your resolution and customize a Login code

- **Input Type:** Choose from VGA or HDMI
- **Resolution:** Choose from
  VGA:SVGA(800x600), XGA(1024x768), WXGA (1280x768), WXGA(1280x800) and WXGA+(1440x900).
  The default value is XGA
  HDMI: 720p (1280x720)
- **Code:** Customize your Login code. Choose to disable the code (meaning a code will not be required), set a random code, or input your own 4-digit code
- **Apply:** Confirm and save your choices
- **Cancel:** Cancel any modifications

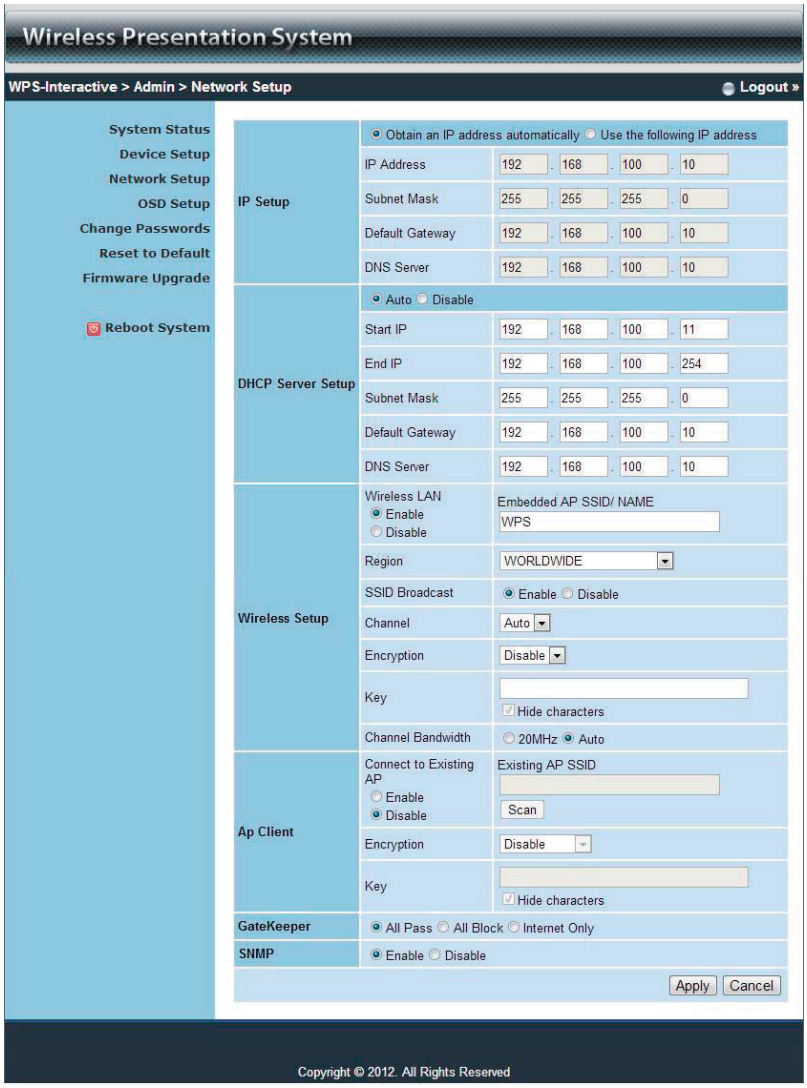


Network Setup

Customize your WPS network configuration.

WPS's default setting is DHCP. When WPS is connected to a LAN that already has a DHCP server present, WPS accepts an IP address assigned to it by the server. When WPS is connected to a LAN that does NOT have a DHCP server, WPS automatically becomes the DHCP server on the network.

- **IP Setup:** You can choose to obtain an IP address automatically, or you can click "Use the following IP address" to enter an address manually
  IP Address: The default value is 192.168.100.10
  Subnet Mask: The default value is 255.255.255.0
  Default Gateway: The default value is 192.168.100.10
  DNS Server: The default value is 192.168.100.10
- **DHCP Server Setup:** You can select "Auto" (Enable) or choose "Disable" to enter values in manually
  Start IP: The start IP address of the DHCP server
  End IP: The end IP address of the DHCP server
  Subnet Mask: The default value is 255.255.255.0
  Default Gateway: The default value is 192.168.100.10
  DNS Server: The default value is 192.168.100.10



Network Setup (cont'd)

- **Wireless Setup:**
  Wireless LAN: The default value is Enable
  Embedded AP SSID: The designated SSID string. Maximum length is 32 bytes
  Region: The default value is Worldwide
  SSID Broadcast: The default value is Enable
  Channel: Set to Fixed Channel or Auto. If Auto, WPS will automatically scan all wireless channels and choose a channel that is available
  Encryption: If on Disable, no security key is necessary. Enable to require a security key for log on, WEP/ WPA/WPA2 64-bit or ASCII or HEX 128-bit
  Key: Supply a password if Encryption is enabled
  Channel Bandwidth: Choose between 20MhZ (enabling speeds of up to 150Mbps) or Auto (enabling speeds of up to 300Mbps)
- **AP Client:**
  Connect to Existing WiFi: Clicking Enable allows you to configure WPS to connect to an existing WiFi network (Access Point). In this way, computers connected to that network can communicate with the WPS directly instead of having to join WPS's own network. You must enter in the Access Point's SSID and then reboot the system for this function to take effect
  Encryption: enable a customizable password for security
- **Gatekeeper:** Gatekeeper is designed to ensure enterprise network security when using WPS
  All Pass: Allows all wireless Guest Users to access the network
  All Block: Does not allow any wireless Guest Users to access the network
  Internet Only: Can block wireless Guest Users while reserving Internet connection capability
- **SNMP:** Enable or Disable the SNMP function. The SNMP community password will sync with the Admin password
- **Apply:** Save all changes
- **Cancel:** Do not save any changes

OSD Setup

Change the projector's standby image with a custom image of your own, and control what is shown on the screen.

- **Logo Image:** the image file name. The default value is "default"
- **Image File Upload:** Upload your customized OSD image. Image must be .jpg format. Maximum size allowed is 510K. Recommend image resolution is 1024x768
- **Screen Information:** Change what server information is shown on the splash screen (i.e. startup screen).
- **Enable:** Show server IP, Resolution, Firmware version, SSID, channel and security. This is the default value
- **Disable:** No information will be displayed on the splash screen, only the quick guide
- **Some Information:** Show only the server IP and SSID on the splash screen

Change Passwords

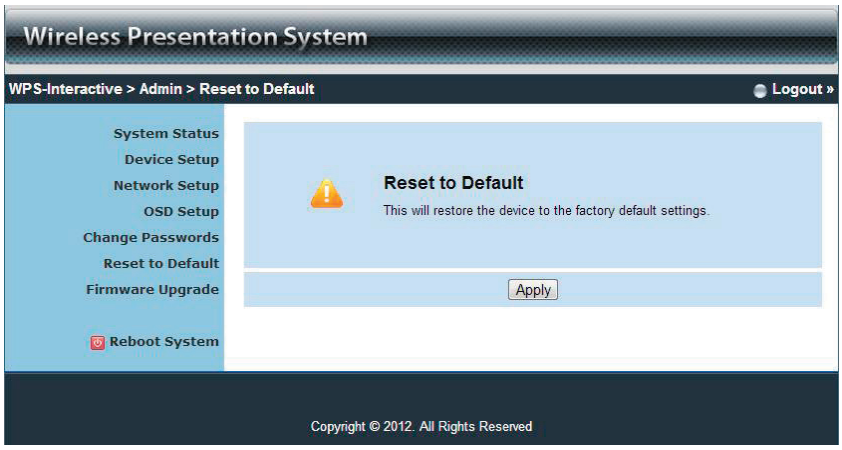
Change the administrator and conference mode passwords.

- **Conference Control**
  Enter New Password: Enter a new password for Conference Mode
  Confirm New Password: Confirm the new password entered
  Apply: Save the new password
- **Admin**
  Enter New Password: Enter a new administrator password
  Confirm New Password: Confirm the new password entered
  Apply: Save the new password

Reset to Default

Restore all factory default settings for WPS.

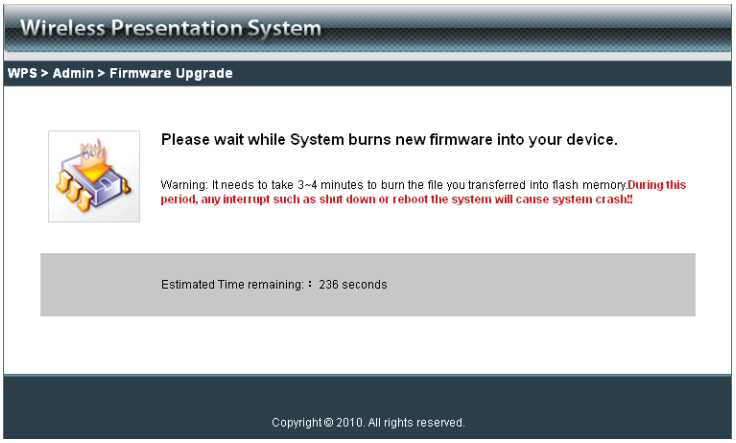
- **Apply:** Confirm you want to restore factory default settings



Firmware Upgrade

Upgrade your WPS firmware to the latest version.

- **Firmware Version:** Displays your current firmware version
- **Release Date:** The release date (in YYYYMMDD format) of your current firmware version
- **Upgrade:** Browse your computer for the latest firmware version you wish to upgrade to. A message with a countdown will appear on screen letting you know approximately how long the system will take to upgrade. A final window will appear letting you know the firmware was successfully upgraded. You must reboot the system for the new firmware to take effect


Wireless Presentation System
WPS > Admin > Firmware Upgrade
Please wait while System burns new firmware into your device.
Warning: It needs to take 3~4 minutes to burn the file you transferred into flash memory.During this period, any interrupt such as shut down or reboot the system will cause system crash!!
Estimated Time remaining: : 236 seconds
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WARNING! Do not power off WPS while firmware is being upgraded. This may cause permanent damage to the unit.

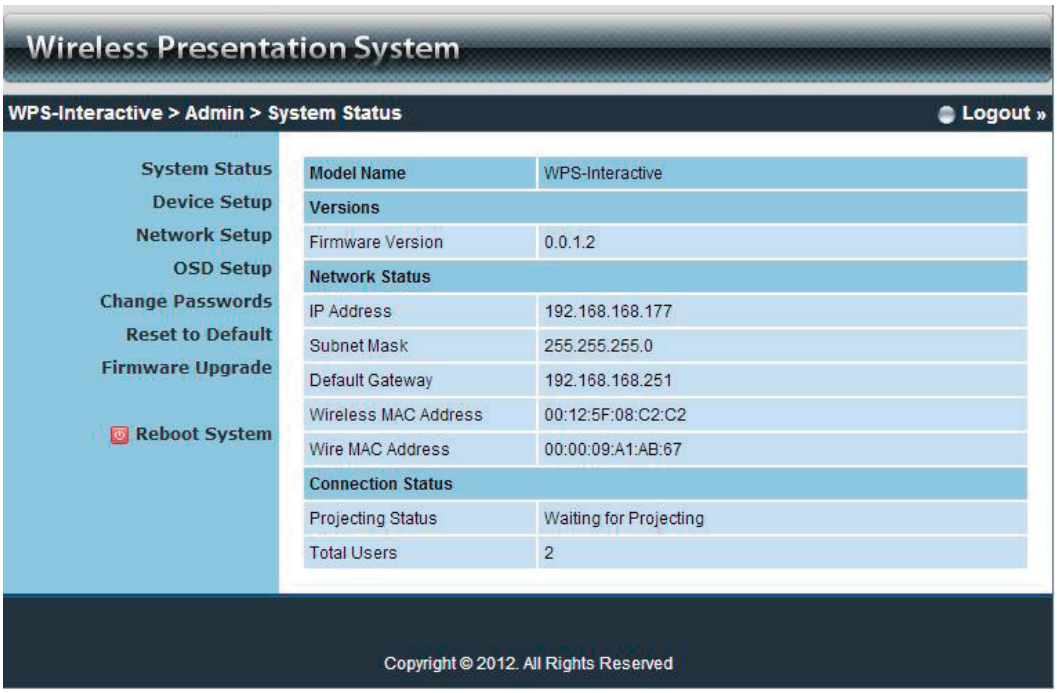
Reboot System

Reboot WPS, which is necessary for certain changes to take effect.

- **Reboot:** Confirm that you wish to reboot the system

Logout

Hit the Logout button in the upper right of the Admin page to log out as administrator.



For your safety and for the best performance of your Wireless Presentation System:

- Keep the WPS from coming into contact with heat sources such as radiators, stoves, and hot laptops.
- Do not immerse the WPS dongle in liquids, and protect it from moisture.
- Do not overtighten the antennae when inserting them into your WPS.
- Ensure the interchangeable plug is firmly inserted into the universal power adapter and is flush with the adapter prior to inserting into an electrical outlet.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Acknowledgments

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